



National Oceanic and Atmospheric Administration

Fiscal Year 1998 & 1999
Budget Overview
for NOAA Constituents

D. James Baker
Under Secretary for Oceans
and Atmosphere
November 9, 1998



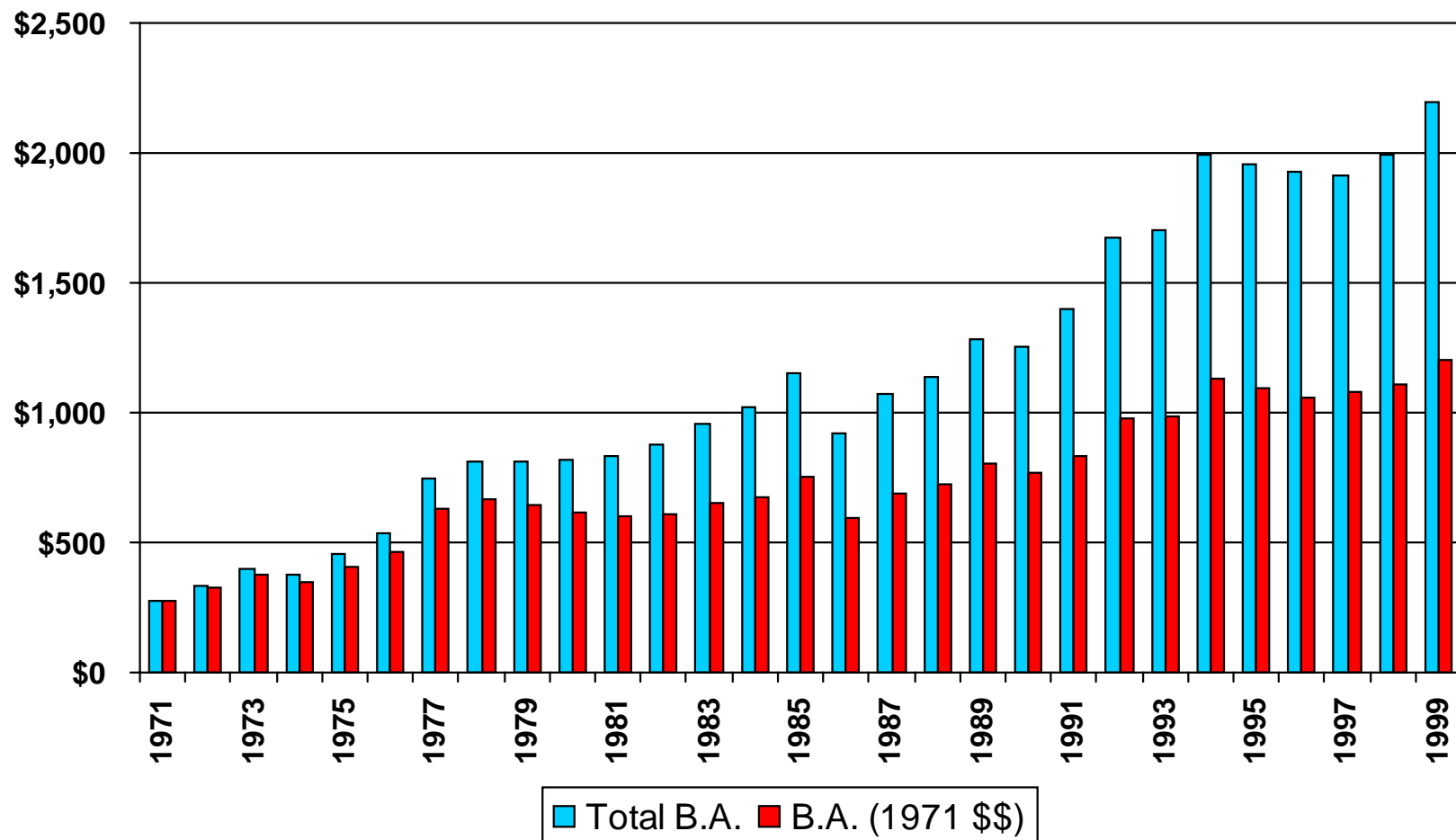
Briefing Contents

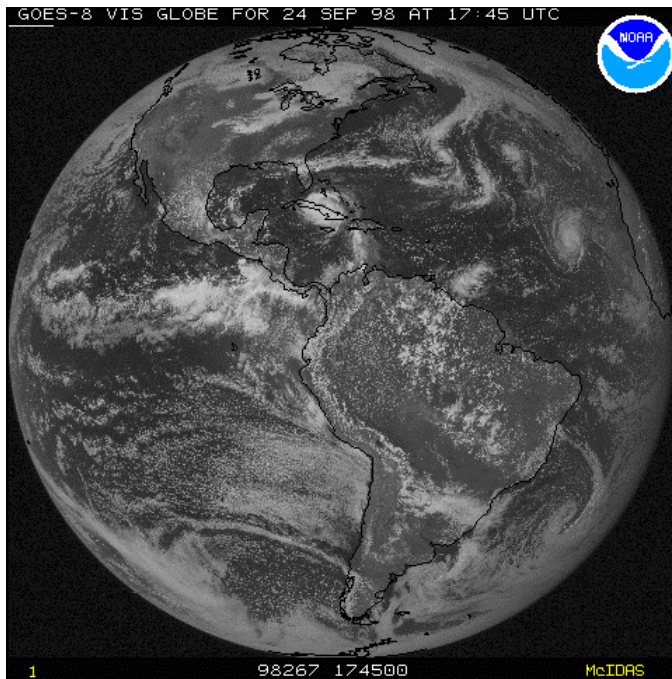
- NOAA by Strategic Plan
 - FY 1998 & 1999 Budget
 - FY 1998 Accomplishments
- FY 1999 Budget
 - Budget Context
 - Resource Distribution by Line Office



Growth of NOAA Budget

Budget Authority in Millions





For the Year 2005, NOAA envisions a world in which societal and economic decisions are coupled strongly with comprehensive understanding of the environment.

NOAA's strategic mission is to describe and predict changes in the Earth's environment, and conserve and manage the Nation's coastal and marine resources to ensure sustainable economic opportunities.

Assessment & Prediction

*Advance Short-Term Warning & Forecast Services
Implement Seasonal to Interannual Climate Forecasts
Predict and Assess Decadal to Centennial Change
Promote Safe Navigation*

Environmental Stewardship

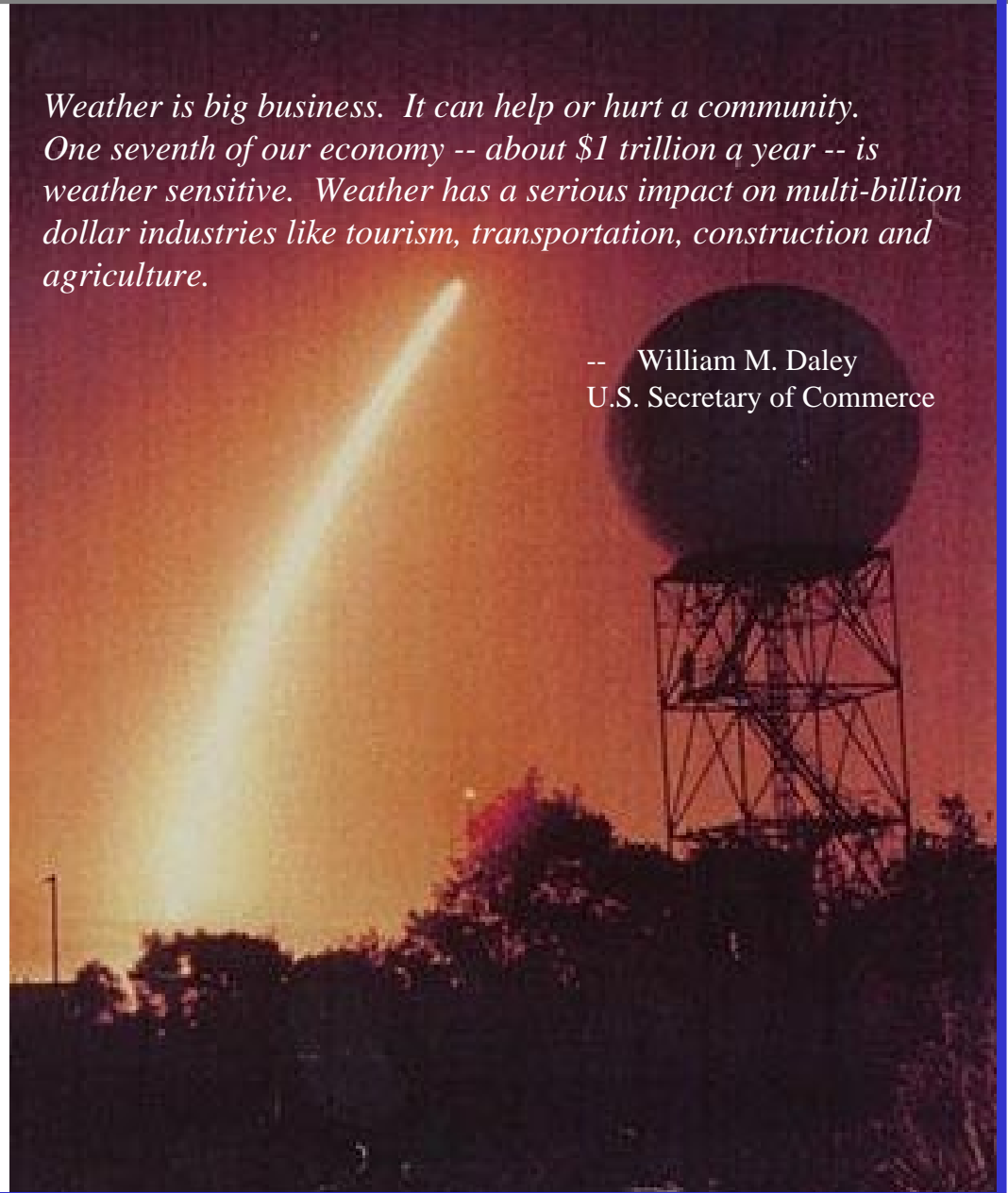
*Build Sustainable Fisheries
Recover Protected Species
Sustain Healthy Coasts*

Environmental Assessment and Prediction Mission



Weather is big business. It can help or hurt a community. One seventh of our economy -- about \$1 trillion a year -- is weather sensitive. Weather has a serious impact on multi-billion dollar industries like tourism, transportation, construction and agriculture.

-- William M. Daley
U.S. Secretary of Commerce



NEXRAD radar adjacent to 1994 GOES launch. Credit Steve Hodanish, NWS, Melbourne, FL

Advance Short-Term Warning and Forecast Services

FY 98 Enacted	\$1,149.8 m
FY 99 President's Budget	\$1,324.8 m
FY 99 Enacted	\$1,274.4 m

FY 1998 Accomplishments

- Improvements in the accuracy and timeliness of severe weather, flooding, and other natural hazards were directly linked to the modernized technologies being deployed around the country.
- NWS Modernization Operations
 - Deployed all 123 Next Generation Weather Radars (NEXRAD)
 - Deployed 57 of 152 Advanced Weather Interactive Processing System (AWIPS) units
- Performance in terms of forecast error during Hurricane Georges was significantly better than normal
- Maintained continuity of a two Geostationary Satellite (GOES) constellation through use of on-orbit spare



Implement Seasonal to Interannual Climate Forecasts

FY 98 Enacted	\$105.9 m
FY 99 President's Budget	\$105.4 m
FY 99 Enacted	\$111.4 m

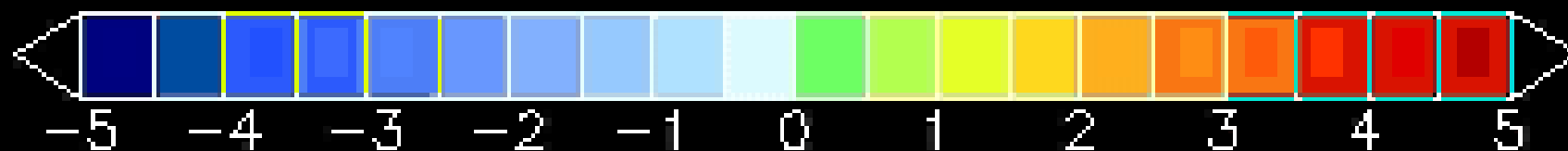
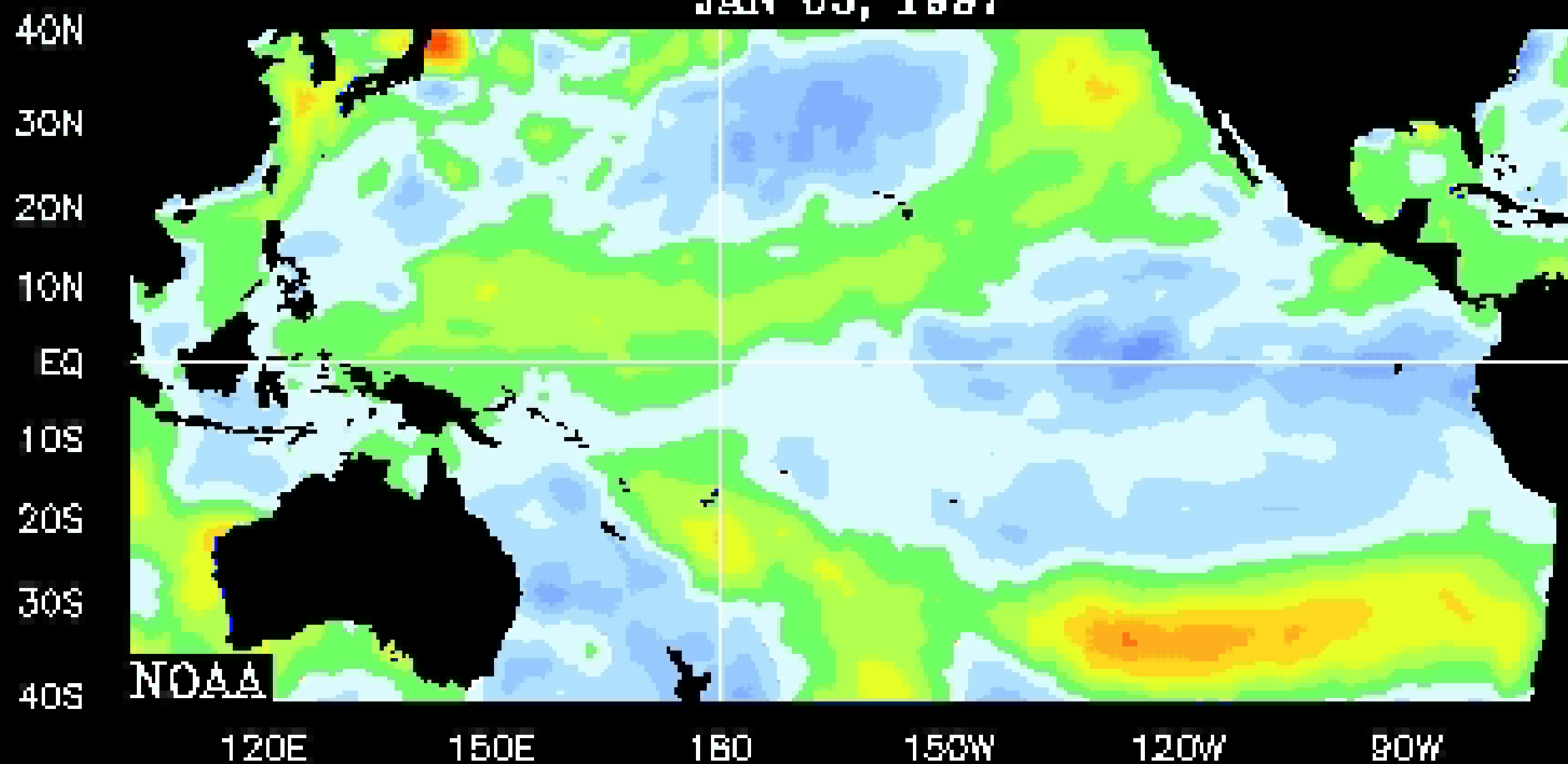
FY 1998 Accomplishments

- **Six-month Forecast for 1997/1998 El Nino**
- **Made use of P-3 to improve operational forecasts of El Niño generated storms by deploying the CALJET experiment**
- **NOAA organized and participated in extensive public education efforts along with other agencies to improved public preparedness for severe weather**



SST ANOMALIES °C

JAN 05, 1997

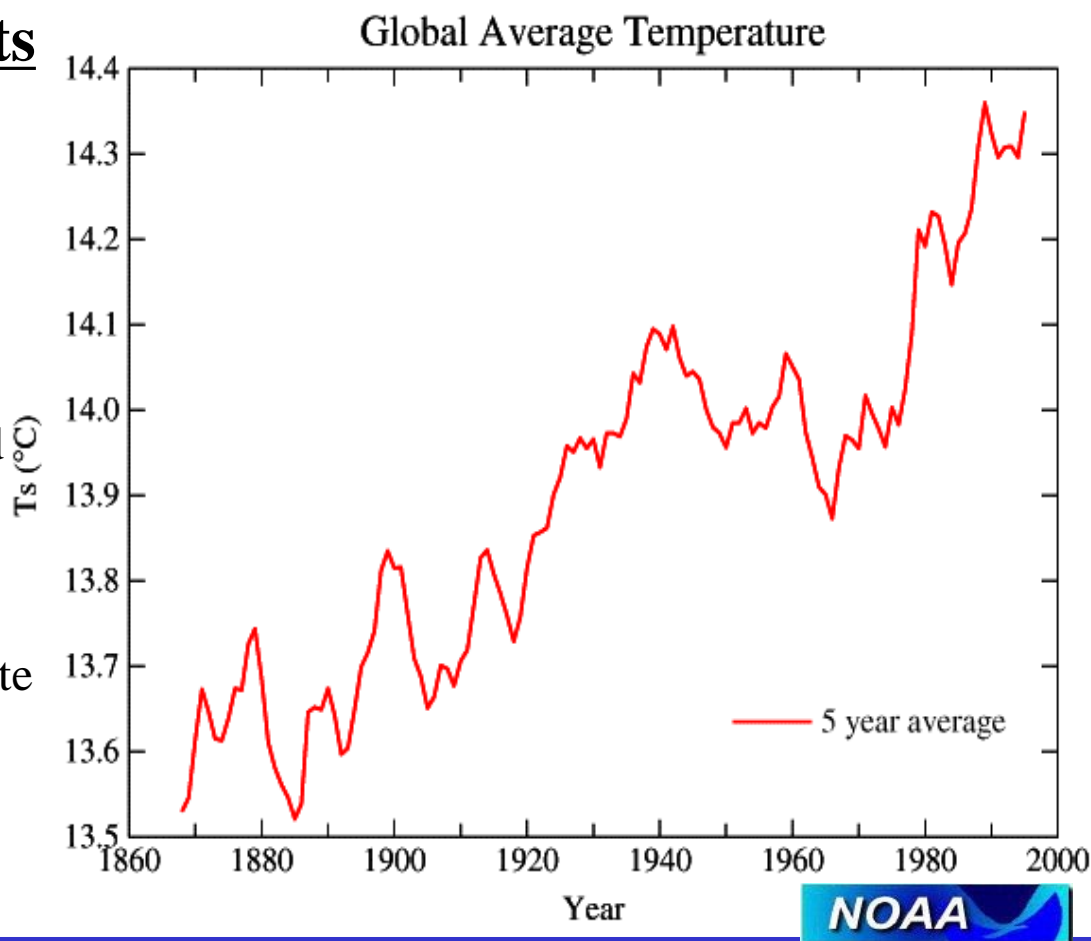


Predict & Assess Decadal to Centennial Change

FY 98 Enacted	\$ 88.2 m
FY 99 President's Budget	\$ 86.9 m
FY 99 Enacted	\$ 88.3 m

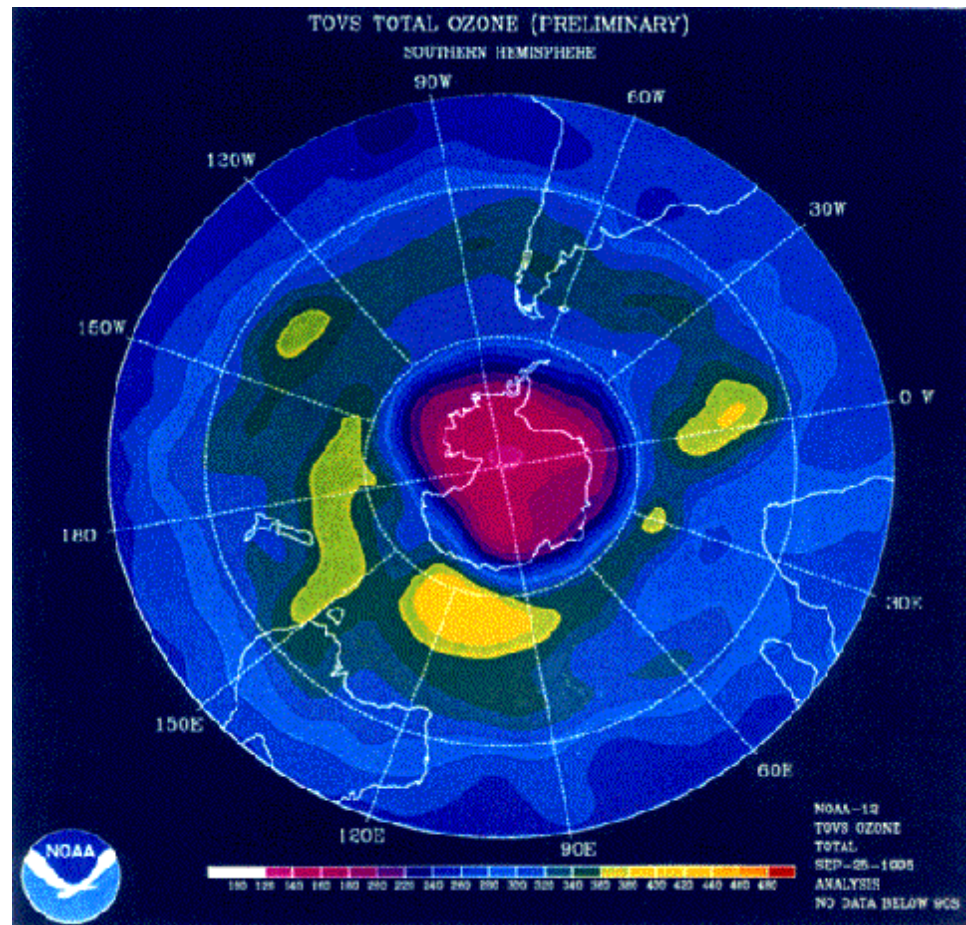
FY 1998 Accomplishments

- Provided Scientific Support to Kyoto World Conference
- Researched Role of Oceans in global carbon cycle
- Provided Scientific Basis for Better Air Quality - Identified lessened impact of pesticide (Methyl Bromide)
- Continued development of models for Long-Term Climate Change Prediction



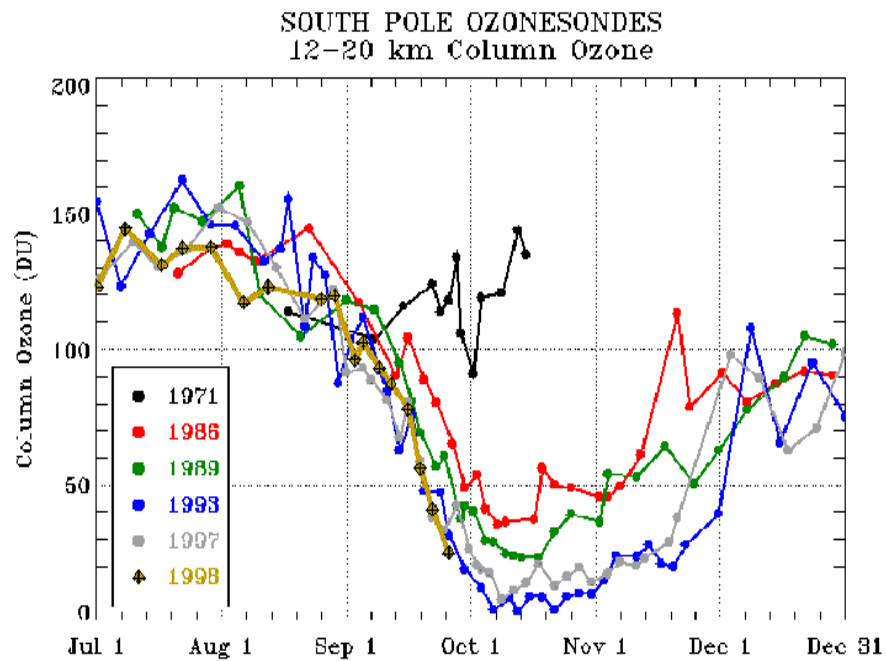
Stratospheric Ozone Mapping

TOVS Satellite Image of Antarctica

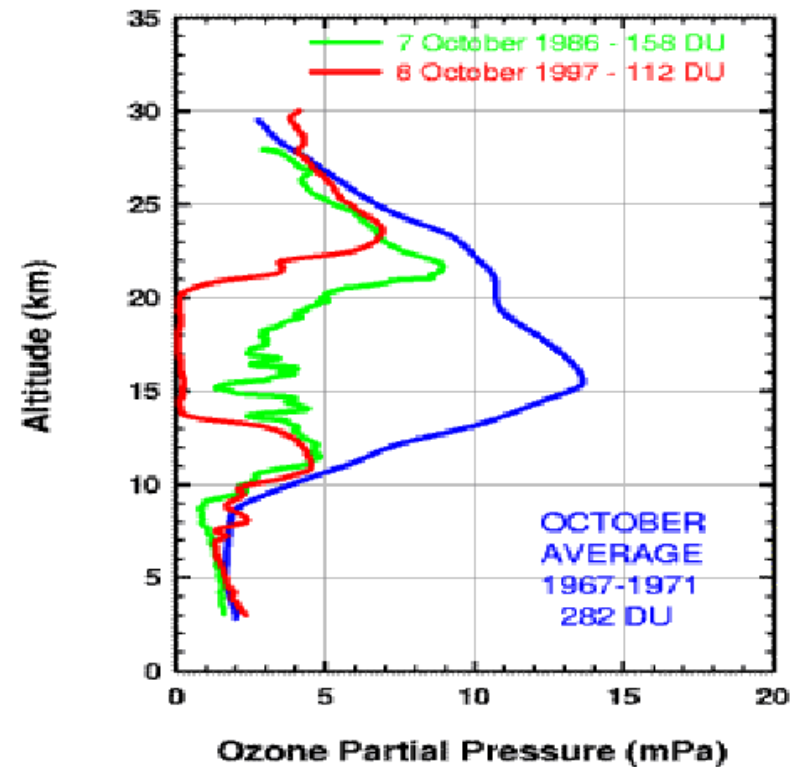


Stratospheric Ozone Depletion

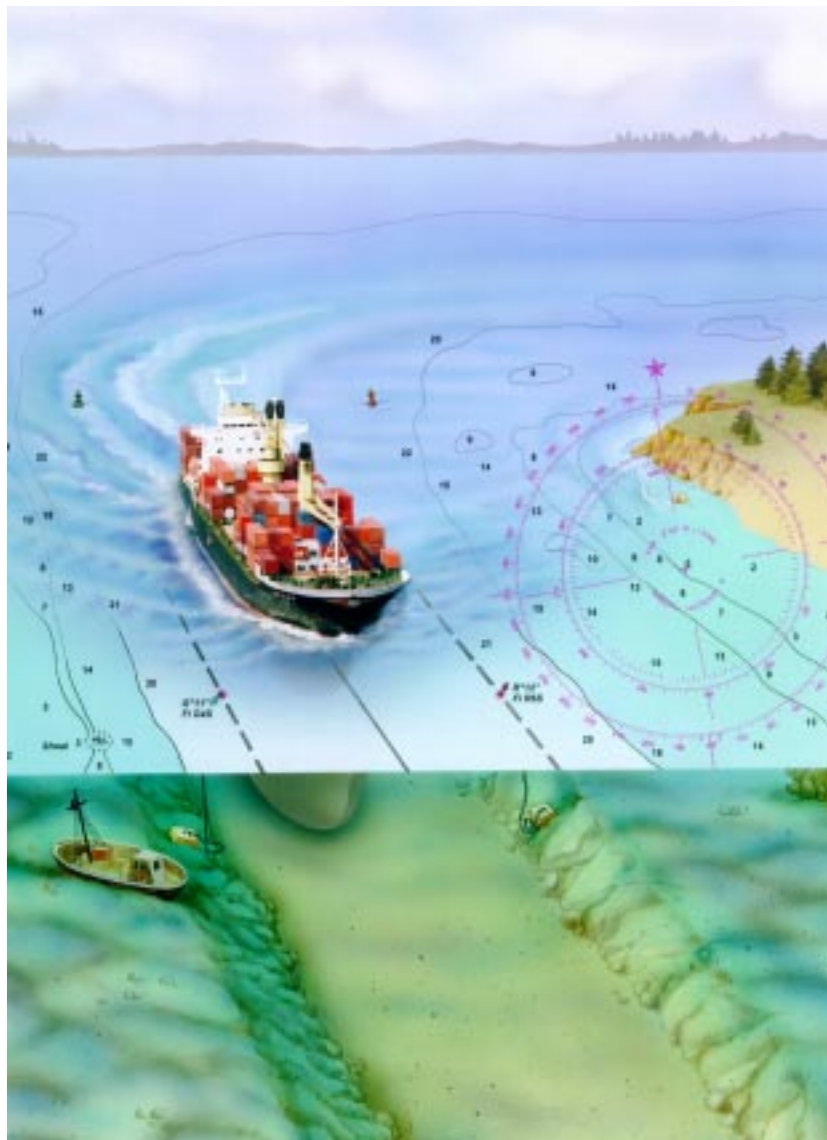
A Comparison of Six Years



Vertical Profile of the Atmosphere Over Antarctica



Promote Safe Navigation

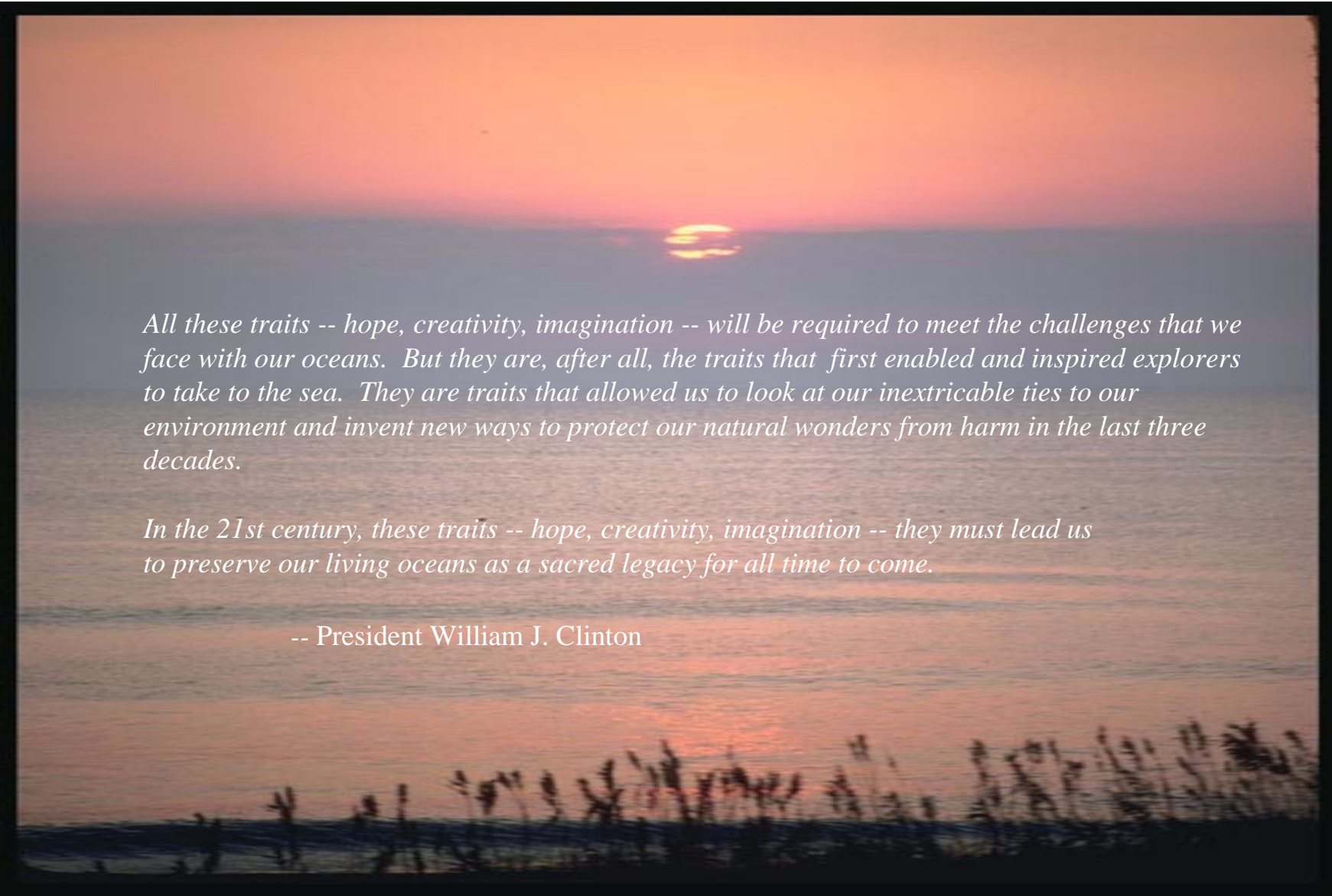


FY 98 Enacted	\$ 92.8 m
FY 99 President's Budget	\$ 86.2 m
FY 99 Enacted	\$ 97.3 m

FY 1998 Accomplishments

- Produced 360 new editions of nautical charts, 4 new editions of Coast Pilot Volumes and associated products
- Reduced the data-to-chart production time from twenty months to eight months
- Released new electronic editions of nautical charts - CD ROM
- Provided Real-Time Marine Predictions



A photograph of a sunset over a body of water. The sun is a bright orange-yellow orb on the horizon, casting a long, shimmering reflection on the water's surface. The sky is a gradient of orange and pink. In the foreground, the dark silhouettes of trees and bushes are visible against the water.

All these traits -- hope, creativity, imagination -- will be required to meet the challenges that we face with our oceans. But they are, after all, the traits that first enabled and inspired explorers to take to the sea. They are traits that allowed us to look at our inextricable ties to our environment and invent new ways to protect our natural wonders from harm in the last three decades.

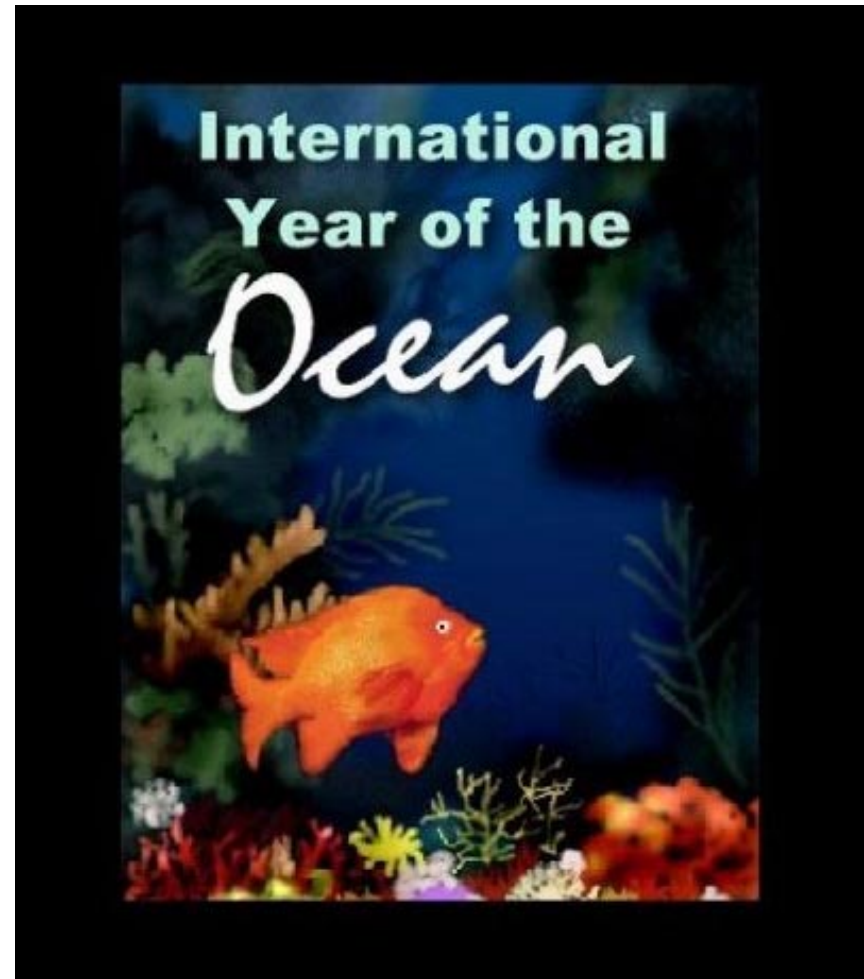
In the 21st century, these traits -- hope, creativity, imagination -- they must lead us to preserve our living oceans as a sacred legacy for all time to come.

-- President William J. Clinton

Environmental Stewardship Mission

Outreach Efforts for Year of the Ocean

- National Ocean Conference in Monterey, Calif., featuring President Clinton and Vice President Gore
- Year of the Ocean concert with Washington Symphony Orchestra at Constitution Hall
- Public Service Announcements with actor Ted Danson, president of the American Oceans Campaign
- “Mark Trail,” nationally syndicated comic strip, featured Year of the Ocean twice



President's Oceans Conference Commitments

- Administration announced measures to reduce overfishing and protect essential fish habitats including a ban on sale or import of undersized Atlantic swordfish
- Executive Order directed Federal agencies to expand coral reef research, preservation and restoration activities
- Launched a program to map and explore U.S. ocean waters with advanced underwater technology.
- Announced an expanded ocean monitoring system to better understand the role of the oceans in shaping our weather and climate.

Build Sustainable Fisheries



FY 98 Enacted	\$ 360.2 m
FY 99 President's Budget	\$ 327.9 m
FY 99 Enacted	\$ 398.8 m

FY 1998

Accomplishments

- Independent reviews found NOAA Fisheries science sound.
- Published National Standard Guidelines for Fishery Conservation and Management
- Issued Listing of Overfished Fisheries
- Provided Aquaculture Policy and Draft Legislation to Joint Subcommittee on Aquaculture
- Published interim rule setting Essential Fish Habitat
- Started conversion of a former US Navy T-AGOS ship to a fisheries research vessel

NOAA

Recover Protected Species



FY 98 Enacted	\$ 72.8 m
FY 99 President's Budget	\$ 80.7 m
FY 99 Enacted	\$ 80.1 m

FY 1998 Accomplishments

- Completed status reviews for 6 of the 7 species of Pacific salmon including sea-run cutthroat trout.
- Published take reduction plan for marine mammals
- National Science and Technology Council identified several R&D priorities
- Pioneered innovative federal-state partnerships through Endangered species Act

NOAA

Sustain Healthy Coasts

FY 98 Enacted

\$ 242.3 m

FY 99 President's Budget

\$ 227.7 m

FY 99 Enacted

\$ 263.7 m

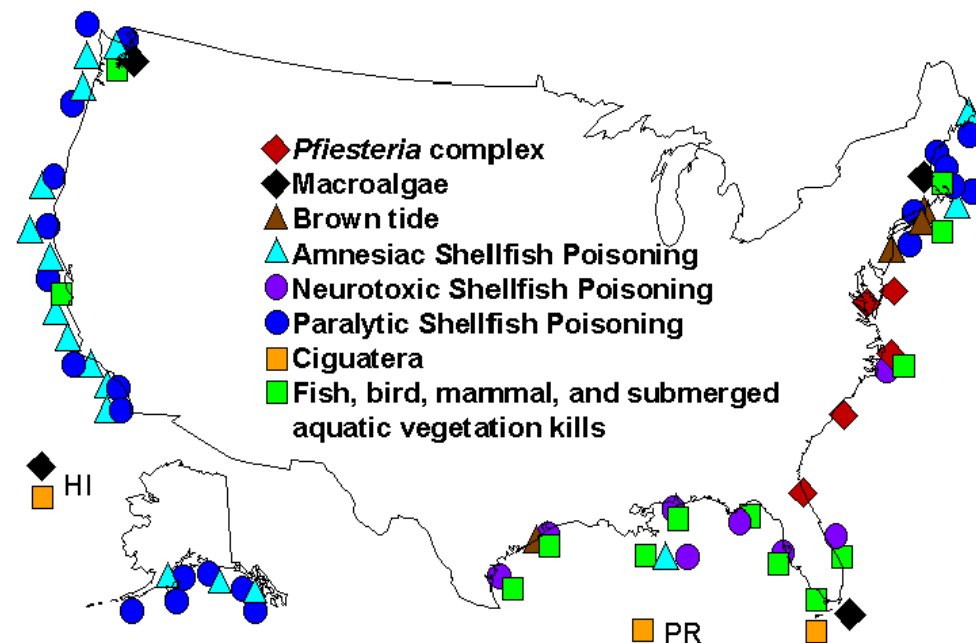
FY 1998

Accomplishments

- Kachemak Bay, Alaska was dedicated as the 23rd National Estuarine Research Reserve (NERR)
- NOAA responded to 92 oil and chemical spills and settled five damage assessment cases
- With EPA, led efforts to assist state & coastal communities respond to harmful algal blooms
- Restored over 15000 acres of coastal habitat.



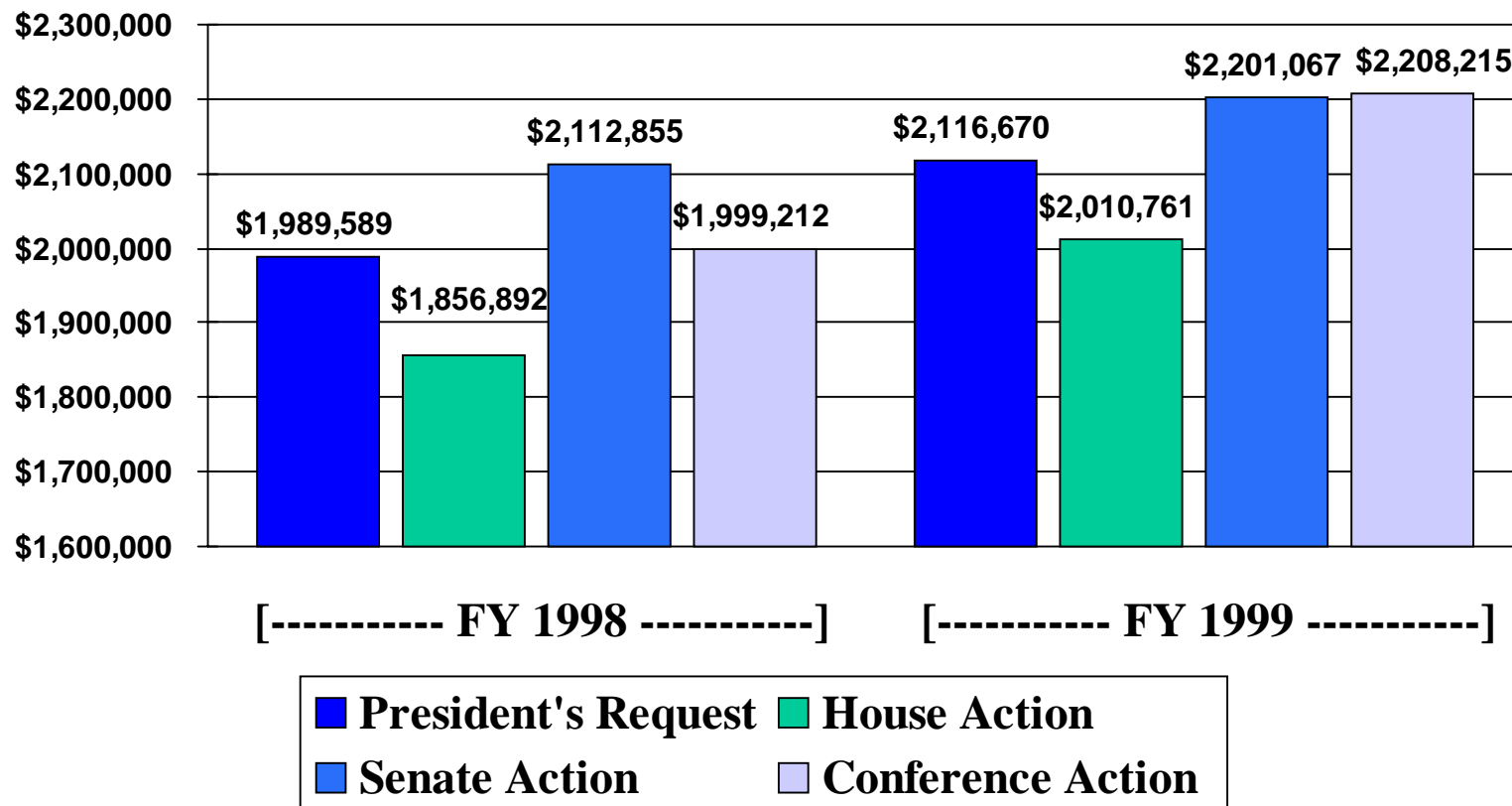
Major HAB-related Events in the Coastal U.S.



Source: D. Andersen and National Oceanic and Atmospheric Administration

Congressional Action

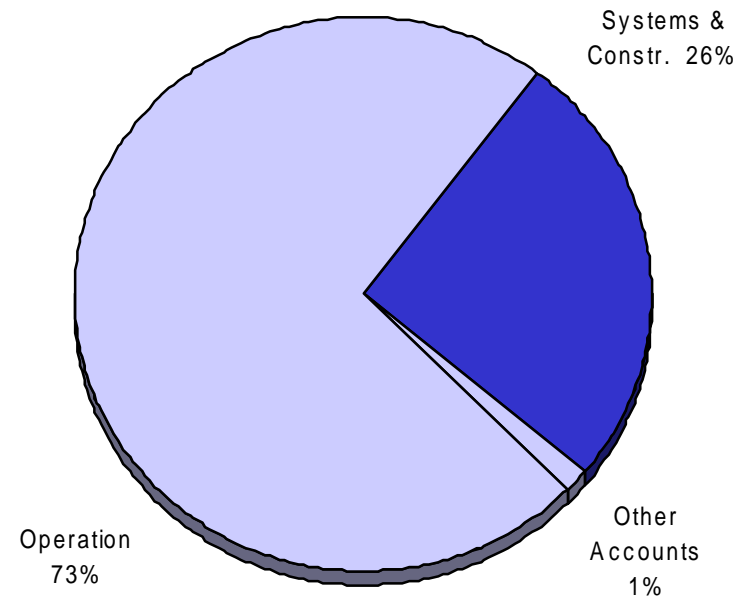
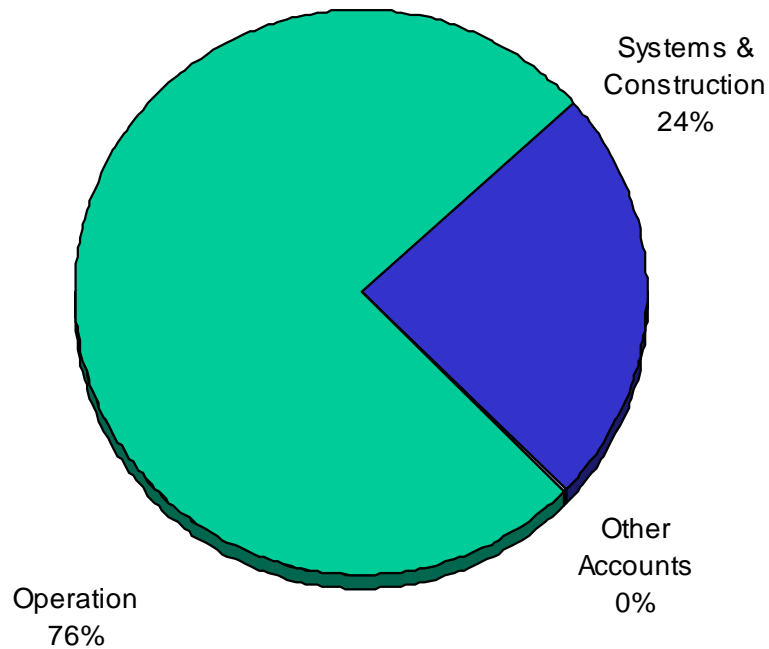
(Dollar Amounts in Thousands*)



* Discretionary Budget Authority

NOAA - Distribution by Account

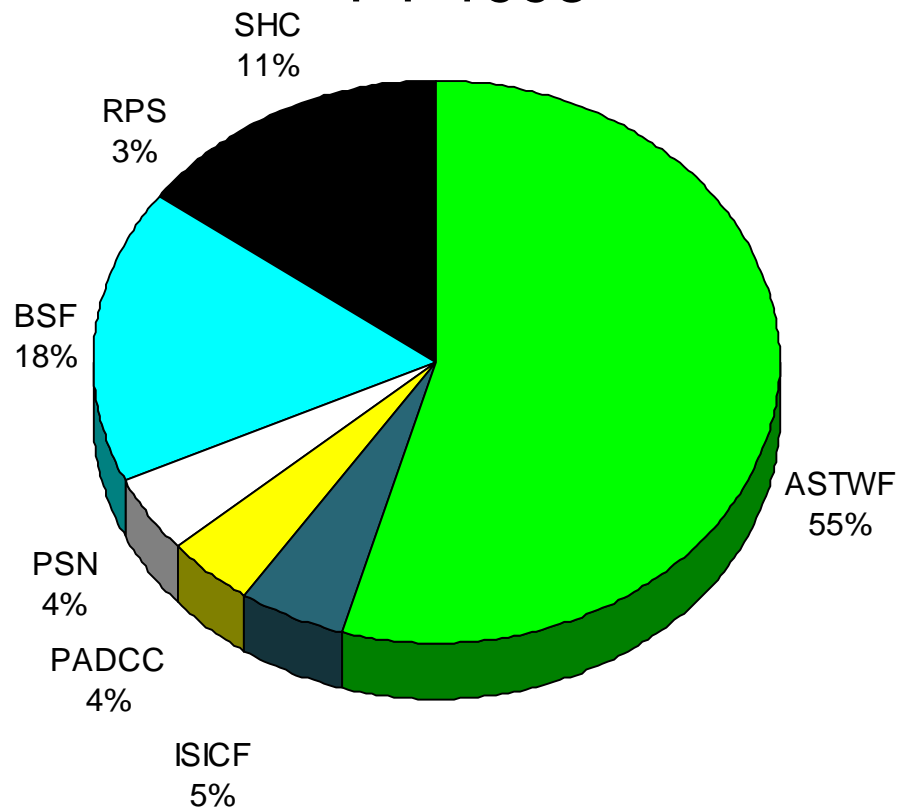
	FY 1998	FY 1999	%chg
Total Presidents Request	\$2,051,234,000	\$2,178,404,000	+ 6.2
Total Enacted Budget Authority:	\$2,060,919,000	\$2,270,641,000	+10.2



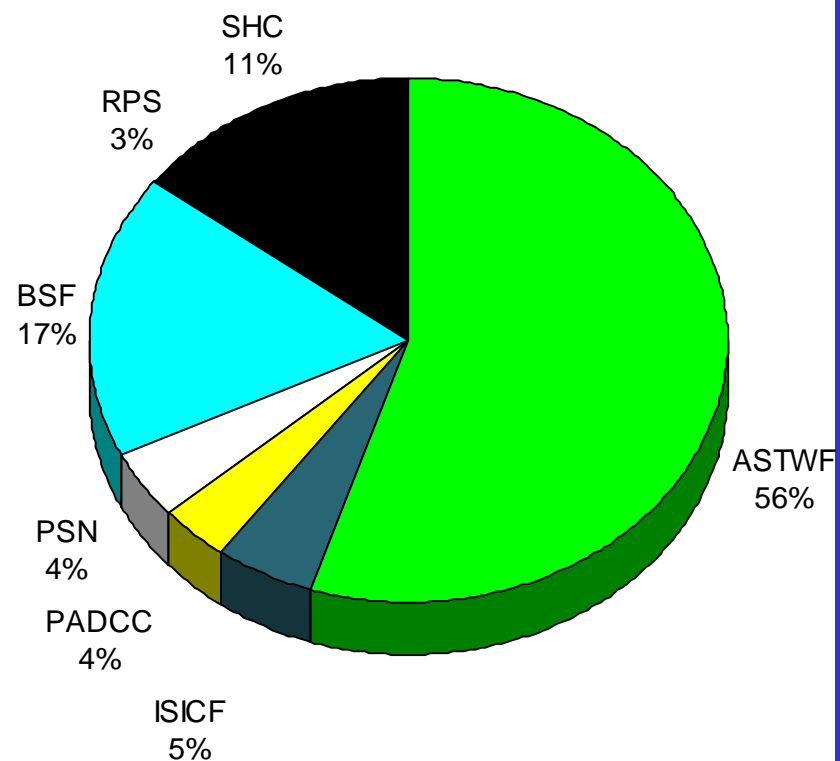


NOAA Budget by Strategic Plan

FY 1998



FY 1999



ASTWF - Advance Short Term Warning & Forecast Services
ISICF - Implement Seasonal to Interannual Climate Format
PADCC - Predict & Assess Decadal to Centennial Change
PSN - Promote Safe Navigation

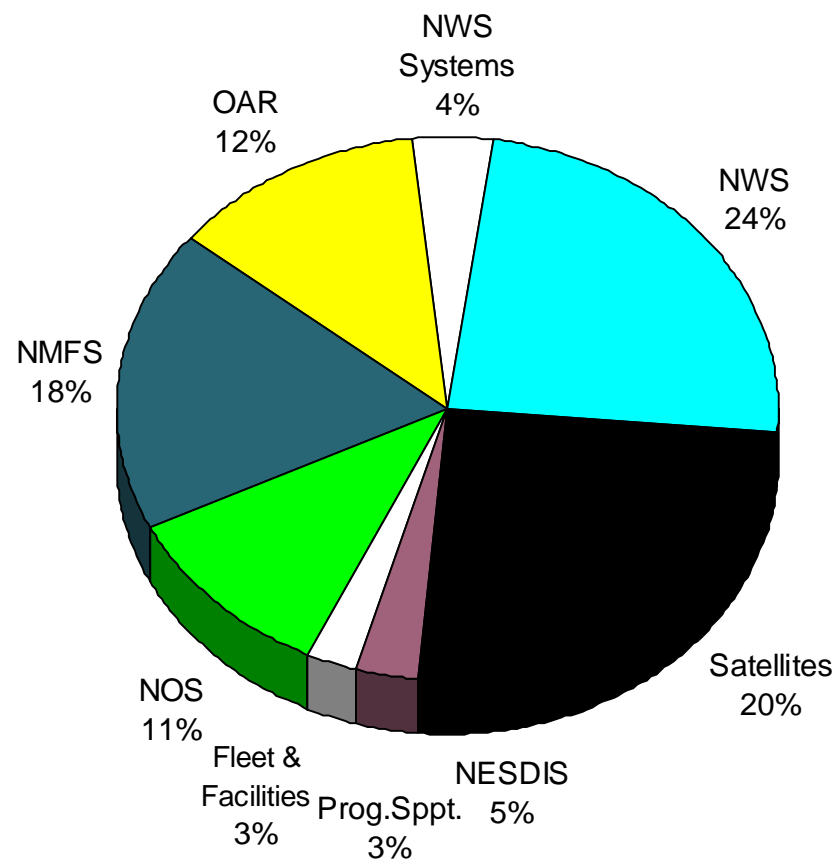
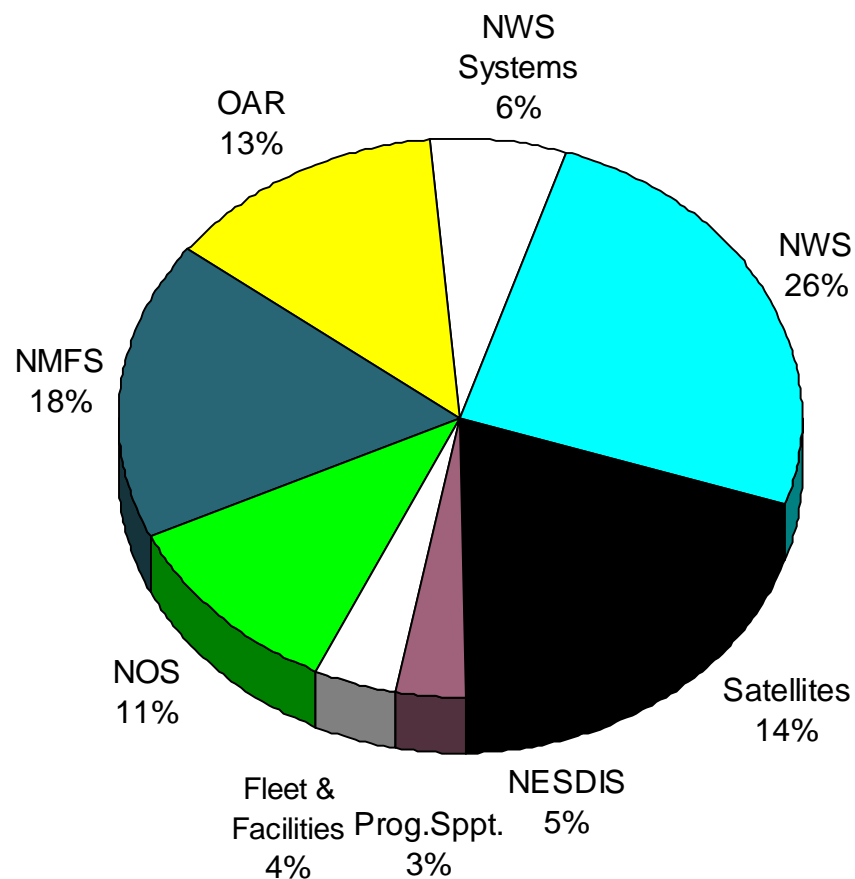
BSF - Build Sustainable Fisheries
RPS - Recover Protected Species
SHC - Sustain Healthy Coasts



The NOAA Budget

FY 1998

FY 1999



Solids = Operations, Research & Facilities

Patterns = Investments (Procurement, Acquisition, and Construction)

NOAA Budget

(all dollars in millions)

	FY 1998	FY 1999
NOS	233.6	251.7
NMFS	356.6	416.1
OAR	277.7	287.4
NWS Systems	132.8	88.4
NWS	520.3	560.7
Satellites	298.9	465.1
NESDIS	113.2	109.9
Program Support	70.9	69.3
Fleet & Facilities	21.0	24.9
Construction	59.9	34.2
Recoveries	(24.0)	(37.0)
Total NOAA Budget*	2,060.9	2,270.6
Mandatory Funds	(61.7)	(62.4)
Total Discretionary B.A.	1,999.2	2,208.2

* Total Budget Authority



